MONITOR WELL PRE-SPUD PROPOSAL

	PROPOSED LOCATION: (a) General (on or off-site) Off-site (attach map) Site Area State Land Section			
(b)	Sect 32 Twnshp 20S Rng 3E SW 1/4 SW 1/4 NW 1/4 SE 1/4			
WEI	L PARAMETERS:			
(a) (c)	Est. total depth 700 (ft) (b) Est. ground elevation @4500 f Anticipated stratigraphy:			
	Alluvium (Santa Fe Group) from 0 ' to TD ' (depth) from' to' (depth)			
(d)	Anticipated water bearing horizon(s): Alluvium (Santa Fe Group) at 475 (depth)			
(e)	Anticipated static water level 435 '(depth)			
WEI	Anticipated static water level435' (depth) L PURPOSE/JUSTIFICATION (attach maps and table if needed): rovide groundwater quality data to assist in determining vertical extent and conation of contaminants deep in the aquifer within the Western Boundary Fault (WBF)			
WEI To p centr Zone	Anticipated static water level435' (depth) L PURPOSE/JUSTIFICATION (attach maps and table if needed): rovide groundwater quality data to assist in determining vertical extent and conation of contaminants deep in the aquifer within the Western Boundary Fault (WBF)			

WEL	L NAM	E/NUMBER: ST-1 (Deep)	
	(b)	Lithology sampling - collect sample every: 5' intervals Method Grab from 0 ' to TD ' (depth of to to type 6" Dennison from ' to to to type 2" Christiansen from 540 ' to 550 ' (depth of to type 10 to 10 t	h)
	(c)	2" Christiansen from 540 'to 550 '(dept Anticipated drilling additive(s): E-Z mud (if needed)	h)
7)	PROP	POSED WELL COMPLETION DESIGN/MATERIALS	
	(a)	Casing: Material Diameter From To Comment Temporary Surface	
	(b)	Filter pack: Standard 8/20 and 16/40 sand and bentonite plug(s), grout to surface	ce.
8)	PROP	OSED WELL DEVELOPMENT	
	(a)	Surge and bail with surge block and bailer.	
	(b)	Pump with submersible pump until parameters stabilize.	
9)	WELL	AUTHORIZATION	
	(a)	Proposed by Geoscience Consultants, Ltd.	
	(b)	Authorized William E. Waldrip NASA (representing) (signature)	<u>-</u> ·

